

# Carbon Reduction Plan

Supplier name: Jacobs U.K. Limited

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This Carbon Reduction Plan for Jacobs U.K. Limited is published to meet the requirements of the UK Cabinet Office Procurement Policy Note – Taking Account of Carbon Reduction Plans in the Procurement of Major Government Contracts Action Note PPN 06/21.

Jacobs U.K. Limited is covered by the climate action commitments of our ultimate parent Jacobs Solutions Inc (“Jacobs”). Jacobs U.K. Limited emissions reported throughout this Carbon Reduction Plan are derived from Jacobs’ total UK emissions, apportioned to Jacobs U.K. Limited based on the percentage of our total UK revenue.

% of Jacobs’ Total Revenue in the UK	FY19	FY20	FY21
Jacobs U.K. Limited	39.6%	48.0%	57.1%

As the percentage of total UK revenue for Jacobs U.K. Limited has increased from FY19 to FY21, this has increased the share of reported FY21 emissions relative to base year (FY19).

## Commitment to achieving Net-zero

Jacobs U.K. Limited is committed to supporting the UK Government target of achieving Net-zero emissions by 2050. Our parent, Jacobs, has set science-based target initiative (SBTi) approved Net-zero targets for our Scope 1, 2 and 3 emissions which cover Jacobs U.K. Limited. Jacobs has achieved and maintained Carbon Neutrality in accordance with PAS 2060 for its business operations and business travel since 2020 and plans to be Net-zero across the value chain by 2040.

## Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

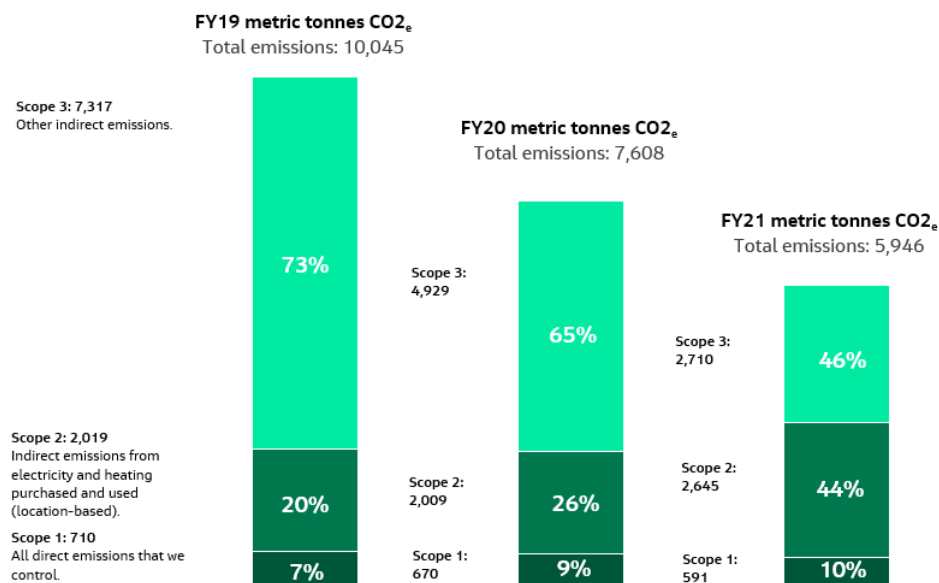
<b>Baseline Year: 2019</b>	
<b>Additional Details relating to the Baseline Emissions calculations.</b>	
<p>These baseline emissions are for Fiscal Year 2019 (October 1, 2018, to September 30, 2019), and are specific to Jacobs UK Limited operations. Scopes 1 and 2 are derived from Jacobs' global emissions which were 3<sup>rd</sup> party verified to GHG Protocol Corporate Standard (in July 2021).</p> <p>For our Scope 2 emissions we estimate both location-based emissions and market-based emissions. The market-based emissions for 2020 are zero as we purchased 100% renewable electricity either through renewable electricity purchase agreements with our utility providers or through the purchase of Renewable Energy Guarantee of Origin Certificates. Under market-based Scope 2 accounting, the emission factor for renewable electricity is 0 tCO<sub>2</sub>e/kWh.</p> <p>We completed a Scope 3 screening evaluation in 2020 using FY19 data to identify Scope 3 sources that are material to Jacobs and assess where we can make impactful changes. Based on screening level estimates, of the five Scope 3 categories required by PPN 06/21, waste generated in operations, business travel and employee commuting are reported in this Plan. Upstream and downstream transportation and distribution are not relevant to our business (which is predominantly provision of professional services) as defined by the GHG Protocol.</p> <p>Scope 3 Business Travel is verified to the ISO 14064-1:2006 and the requirements of the GHG Protocol. Our Waste generated in Operations figures are presented but deemed immaterial and are not verified. We estimated our global waste data for using the Greenhouse Gas Protocol Scope 3 Evaluator Tool. The UK portion of these emissions (below) are based on headcount. Employee commuting emissions are calculated using the average-data method from the GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard which involves estimating emissions based on employee headcounts and average (e.g., national) data on commuting patterns<sup>1</sup>.</p>	
<b>Baseline year emissions:</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b>	<b>710</b>
<b>Scope 2</b>	<b>2,019 (location-based) 2,071 (market-based)</b>
<b>Scope 3 (Included Sources)</b>	<b>Waste Generated in Operations: 209</b> <b>Business Travel: 3,486</b> <b>Employee Commuting: 3,622</b>
<b>Total Emissions</b>	<b>10,045 (S2 location-based) 10,098 (S2 market-based)</b>

<sup>1</sup><https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentandemployeetypes/datasets/methodoftraveltowork>  
[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/877039/commuting-in-england-1988-2015.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/877039/commuting-in-england-1988-2015.pdf)

## Current Emissions Reporting

Reporting Year: 2021	
EMISSIONS	TOTAL (tCO <sub>2e</sub> )
Scope 1	591
Scope 2	2,645 (location-based), 0 (market-based)
Scope 3 (Included Sources)	<b>Waste Generated in Operations: 106</b> <b>Business Travel: 1,580</b> <b>Employee Commuting: 1,024</b>
Total Emissions	5,946 (S2 location-based) 3,301 (S2 market-based)

### Jacobs U.K. Limited Scope 1, 2 and 3 Emissions Comparison – FY19-FY21 (Scope 2 presented as location based to comply with UK Government Reporting Guidance)



\*The emissions reported are apportioned down from global emissions based on % revenue for our UK business.

## Emissions reduction targets

In order to continue our progress to achieving Net-zero, we have adopted the following global carbon reduction targets which cover Jacobs U.K. Limited.

### Climate Action Plan targets

Globally, we have set the following targets as outlined in [Jacobs Climate Action Plan](#) (issued April 22, 2022):

1. Ensure every project becomes a climate response opportunity.
2. Achieve Net-zero greenhouse gas emissions across the value chain by 2040.
3. Maintain carbon neutrality status and 100% low-carbon electricity for our operations.

Since FY19, Jacobs has reduced its business-wide carbon footprint by 45% and has maintained its carbon neutrality since 2020. This was in-line with PAS 2060: 2014 specifications to demonstrate carbon neutrality, as outlined in [Jacobs Carbon Neutrality Commitment](#). This was achieved by reducing carbon and then neutralizing the remaining carbon impact by purchasing Renewable Energy Guarantee of Origin certificates and carbon offsets.

### Science-Based Targets

Globally, we have set the following SBTi approved targets:

1. We commit to reduce absolute Scope 1 and 2 GHG emissions 50% by 2030 from a 2019 base year.
2. We commit to reduce absolute Scope 3 GHG emissions from business travel and employee commuting by 50% by 2030 from a 2019 base year.
3. We commit that 65% of our suppliers by spend covering purchased goods and services, will have science-based targets by 2025.
4. We commit to reduce absolute scope 1, 2 & 3 GHG emissions 90% by 2040 from a 2019 base year.

SBTi approved that Scope 1 and Scope 2 targets are aligned with a 1.5°C pathway. This means our emissions reduction targets are consistent with the aim of the Paris Agreement to limit average global warming to 1.5°C by the end of the century compared to pre-industrial temperatures. Our [SBTi Target Assessment Report from November 2020](#) is available on our corporate website; our [Net-zero approval letter](#) issued by the Science Based Targets Steering Committee is also publicly available.

## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been implemented since the 2019 baseline. The carbon emission reduction achieved in FY21 by these schemes equate to 1,662 tCO<sub>2</sub>e, a 17% reduction against the 2019 baseline for Jacobs UK Limited and the measures will be in effect when performing the contract.

## **Jacobs Carbon Neutrality Commitment PAS 2060: 2014**

Jacobs will continue to pursue 100% low-carbon electricity for our operations and carbon neutrality for our operations and business travel, in-line with PAS 2060: 2014 specifications for the demonstration of carbon neutrality. For further information please see [Jacobs Carbon Neutrality Commitment](#).

### **Office Energy**

As demonstrated in [Jacobs Climate Action Plan](#), our direct Scope 1 emissions relate to our vehicle use and energy consumption for those offices where we have direct control. Our Real Estate Operations team is leading our reduction in energy use intensity per office through a mix of strategies, including:

- Improve energy data collection.
- Continue office energy audits and efficiency measures across our portfolio.
- Ongoing consolidation of real estate portfolio.
- Green leases and other arrangements with landlords.

Our indirect Scope 2 emissions comprise our emissions associated with purchased electricity and heating for leased offices. Our commitment to 100% low-carbon energy means that our electricity needs will be supplied through a variety of sources globally including (but not limited to) green tariffs, such as Renewable Energy Guarantee of Origin (REGO) certificates for offices where we pay directly to UK energy suppliers.

### **Supply Chain**

Our Supply Chain Management and Procurement teams will:

- Establish climate action goals for major suppliers.
- Partner with our supply chain to improve Scope 3 data and target reductions.
- Explore green financing mechanisms attached to Climate and Carbon performance incentives.

Further information regarding our supply chain engagement can be found in our [latest CDP response](#). Our CDP response for 2022 has been submitted and is under review. We are also a member of the CDP Supply Chain as demonstrated on the [CDP website](#).

### **REGOs and Carbon Offsets**

We are committed to prioritising carbon reductions on our path to achieving Net-zero carbon. As mentioned, we will purchase REGOs to meet our 100% low-carbon electricity commitment. To meet our carbon neutrality goals, all Scope 1, Scope 2 and Scope 3 business travel carbon emissions remaining after reduction efforts will be offset by purchasing high quality carbon offsets.

Sustainability at Jacobs means ensuring long-term business resilience and success while positively contributing towards the economy, society, and the environment. We carefully considered the United Nations Sustainable Development Goals (SDGs) to provide global context for shaping our [PlanBeyond 2.0](#) sustainability strategy. Our goals for our carbon offsets are to have them align well with our priority SDGs highlighted in our strategy (shown below) which focus on building enduring partnerships and addressing inequalities in the

communities in which we all live and work. Example projects include domestic cookstoves, water boreholes, forestry, renewable energy, and innovative technologies.

### Jacobs SDG focus

1	Advance the health, wellbeing and safety of society	
2	Deliver solutions for the global water and sanitation crisis	
3	Foster a culture of technology and innovation important to the advancement of society	
4	Create a fair and inclusive future for all	
5	Develop efficient and resilient solutions that deliver net environmental and societal gain	
6	Accelerate solutions that address the climate emergency	

Our goals also include purchasing carbon credits from specified and audited sources, such as the Clean Development Mechanism (CDM), Gold Standard and Verified Carbon Standard (VCS), to ensure no double counting occurs and that the projects are actively removing carbon emissions and, in the case of forestry initiatives, have sufficient buffers to ensure permanence by compensating for any unintentional reversals.

Our dependence on carbon offsets and REGOs will diminish over time through emission reductions and carbon insetting programs in partnership with our clients. Details of our Carbon Offset Purchases can be found in the latest [Jacobs Qualifying Explanatory Statement](#).

### Office Environmental Plans

Our Environmental Management System (EMS) is integrated in our HSE Management System (HSEMS) and conforms to ISO 14001:2015.

### Business Travel

Business travel measures include:

- Internal carbon pricing on corporate business travel
- Employee engagement around travel reductions and use of less carbon intensive modes
- Encourage continued use of digital technology to avoid non-essential travel
- Changing fleet and rental car policies to increase electric and hybrid car use.

## Employee Commuting

We currently estimate employee commuting using the average-data method from the GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard which involves estimating emissions based on employee headcounts and average (e.g., national) data on commuting patterns<sup>2</sup>.

We are looking at how to more accurately estimate greenhouse gas emissions associated with our employees' commuting through gathering voluntary data directly from employees. We are looking at more flexible working, balancing working from home with working in offices or at sites and we are promoting active travel through local office sustainable travel groups and providing facilities at offices that support walking and cycling to work.

## Partnering with Other Businesses and Governments

As one of the world's largest solutions companies, our biggest opportunity to affect climate change comes not from managing our own emissions, but through our influence on the world's largest infrastructure and critical mission projects and as an industry leader. By partnering with our clients, governments, and other stakeholders, and through our robust innovation process, we help identify and implement solutions to create a more connected, sustainable world.

We partner and engage in thought leadership with our clients and industry through networking with various organisations. Cross-industry partnerships will help us demonstrate our commitment to mitigating climate change and alignment with their policies. These organisations also provide a platform to share learning and continually improve and influence performance. Jacobs is involved in various external organizations and initiatives dedicated to advancing our ESG (Environmental and Social Governance) and sustainability priorities, including but not limited to:

- [UN Global Compact](#) (Participant level)
- [United Nations Global Compact CFO Coalition for the Sustainable Development Goals](#) (Founding Member)
- [UN Global Compact Young Sustainable Development Goal \(SDG\) Innovators Program](#)
- [World Economic Forum Infrastructure and Urban Development Governors Committee](#)
- [World Economic Forum, Alliance of CEO Climate Leaders](#)
- [Science Based Target Initiative](#) – [Business Ambition for 1.5°C](#)
- [GreenBiz](#)
- [Business in the Community \(UK\) Net Zero Carbon Taskforce](#)
- [CDP](#) (Supply Chain Member)

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<sup>2</sup><https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentandemployeetypes/datasets/methodoftraveltowork>  
[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/877039/commuting-in-england-1988-2015.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/877039/commuting-in-england-1988-2015.pdf)

- [World Environment Center](#)
- [BSR \(Businesses for Social Responsibility\)](#)
- [Global Plastic Action Partnership](#)
- [Environmental Analyst – Sustainable Delivery Group](#)
- [Task Force on Climate-related Financial Disclosures \(TCFD\)](#) (Supporter)
- [USEPA Green Power Partnership](#)

## Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard<sup>3</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>4</sup>.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR (Standardised Energy and Carbon Reporting) requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard<sup>5</sup>.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

### Signed on behalf of the Supplier:

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Date: .....

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<sup>3</sup> <https://ghgprotocol.org/corporate-standard>

<sup>4</sup> <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

<sup>5</sup> <https://ghgprotocol.org/standards/Scope-3-standard>